

ABSTRACT OF THE DISCLOSURE

In prior arts, additional pulse-width modulators and more costs are needed for increasing the current output. The invention provides a synchronized parallel running power converter. The power converter includes multiple power converters controlled by
5 single-phase or double-phase pulse-width modulators. Each power converter includes a first pulse input port, a second pulse input port and a current output port. Each first pulse input ports are coupled, and each second pulse input ports are coupled also, so that each power converter is controlled by the same pulse signal and provide a same output current to be added as several times of current output.